

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	6666	((257/118,244,328-333,466,513,594) or (438/242,268-274)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/12 09:23
S3	49	S2 and (SCR or "silicon controller rectifier")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 11:17
S4	21775	(ESD or "electrostatic discharge")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 11:18
S5	1176	(ESD or "electrostatic discharge") and (SCR or "silicon controlling rectifier")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 11:19
S8	212	S7 and ESD and SCR	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 11:33
S7	2365	(361/56).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/12 11:33
S6	7	(ESD or "electrostatic discharge") and (SCR or "silicon controlling rectifier") and (double near trigg\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/12 11:33
S1	2	"20050133869"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 11:09
S10	4379	S9 and isolation	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 14:11

## EAST Search History

S9	24050	'silicon controller rectifier' or SCR or 'double triggered silicon controller rectifier' or DTSCR or 'DT SCR'	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 14:11
S12	20	S9 and ('shallow trench isolation' or STI) and ("dummy gate" or DG)	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 14:12
S13	19	("4939616"   "5012317"   "5225702"   "5281842"   "5465189"   "5602404"   "5622885"   "5719733"   "5754381"   "5856214"   "5903420"   "6081002"   "6172403"   "6184557"   "6207998"   "6228704"   "6423589"   "6465848"   "6482692").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/13 14:15
S11	393	S9 and ('shallow trench isolation' or STI)	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 14:45
S15	9481	hsu.in.	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 14:46
S18	7	S15 and isolation and (SCR or 'silicon controller recitifier')	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 14:47
S16	108	S14 and isolation	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 14:47
S20	254	S14 not S16	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 14:54
S19	0	"Ker.in.6" not S16	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 14:54
S14	362	Ker.in.	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 14:54
S21	9470	S15 not S14	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 15:13
S17	1179	S15 and isolation	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 15:13
S23	2168	257/355	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 16:08
S22	1174	S17 not S14	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 16:08
S25	245	257/256	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 16:12
S26	990	257/356	US-PGPUB; USPAT; JPO	OR	ON	2005/12/13 16:33

## EAST Search History

S28	21	("5900665").URPN.	USPAT	OR	ON	2005/12/14 08:23
S27	1	("5461338").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/14 08:23
S34	990	257/356	US-PGPUB; USPAT; JPO	OR	ON	2005/12/14 09:35
S33	2063	S32 not S31 not S29	US-PGPUB; USPAT; JPO	OR	ON	2005/12/14 09:35
S32	2168	257/355	US-PGPUB; USPAT; JPO	OR	ON	2005/12/14 09:35
S31	1179	S30 and isolation	US-PGPUB; USPAT; JPO	OR	ON	2005/12/14 09:35
S30	9481	hsu.in.	US-PGPUB; USPAT; JPO	OR	ON	2005/12/14 09:35
S29	362	Ker.in.	US-PGPUB; USPAT; JPO	OR	ON	2005/12/14 09:35
S24	2063	S23 not S17 not S14	US-PGPUB; USPAT; JPO	OR	ON	2005/12/14 09:35
S36	17	"5811856"	US-PGPUB; USPAT; JPO	OR	ON	2005/12/15 11:18
S35	314	S34 not S33	US-PGPUB; USPAT; JPO	OR	ON	2005/12/15 11:18
S38	1185	S37 and isolation	US-PGPUB; USPAT; JPO	OR	ON	2005/12/15 11:41
S37	9503	hsu.in.	US-PGPUB; USPAT; JPO	OR	ON	2005/12/15 11:41
S42	1	"20050189614"	US-PGPUB; USPAT; JPO	OR	ON	2006/03/06 18:27
S43	11501	semiconductor and (control\$3 adj rectifier SCR)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:28
S47	3	S45 and double adj triggered	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:29

## EAST Search History

S46	440	S45 and anode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:29
S44	2668	S43 and (sti isolation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:29
S45	551	S44 and cathode and triggered	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:30
S49	3	"6858901"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:31
S48	3	S44 and cathode and double adj triggered	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:31
S51	2	"6954098"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:34
S50	2	"6744107"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:34
S53	2	"6913274"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:35
S52	3	"5825725"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:35

## EAST Search History

S57	1022	257/356	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:51
S55	2262	257/355	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:51
S54	6	"6559508"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:51
S60	1056	S59 and ((n or p) adj type)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:53
S58	23374	esd electrostatic adj discharge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:54
S61	46	(esd electrostatic adj discharge) same (well and third and diffusion) same ((n or p) adj type)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 09:55
S64	72	257/120	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 10:17
S62	16	("6114731"   "6191454"   "6204537").PN. OR ("6399990"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 10:17
S67	898	257/339	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 10:44
S66	4745	(257/339,341,355,373,401).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 10:44

## EAST Search History

S63	173	257/119	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 10:44
S71	2086	257/401	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 10:45
S70	246	257/373	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 10:45
S69	2262	257/355	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 10:45
S68	1484	257/341	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 10:45
S59	1838	S58 and well and third and diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 10:45
S72	208	S67 and well and fourth and diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 10:55
S74	18	("3975221"   "4438448"   "5034785"   "5192989"   "5283454"   "5352915"   "5378914").PN. OR ("5682048").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 11:00
S75	456	S69 and well and fourth and diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:08
S73	321	S68 and well and fourth and diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:08

## EAST Search History

S78	67	S69 and well and fourth and diffusion and sti	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:09
S76	94	S69 and well and fourth and diffusion and rectifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:09
S79	114	diode and gate adj ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:32
S80	5	S79 and S58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:33
S77	215	S69 and well and fourth and diffusion and isolation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:36
S81	41	S70 and well and fourth and diffusion and isolation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:38
S83	368	S71 and well and fourth and diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:43
S82	62	S70 and well and fourth and diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:43
S84	195	S71 and well and fourth and diffusion and isolation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:52

## EAST Search History

S85	18	"5714784"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:54
S87	8	"5670814"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:55
S86	9	"5892262"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:55
S89	16	("5400202"   "5453384"   "5502328"   "5581104"   "5629544"   "5654862"   "5719737"   "5807791"   "5907462"   "5932918"   "5940258"   "5986307"   "5990520"   "6015992"   "6034397"   "6433979").PN. OR ("6747861"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 12:01
S88	2	"6747861"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 12:01
S90	16	("5400202"   "5453384"   "5502328"   "5581104"   "5629544"   "5654862"   "5719737"   "5807791"   "5907462"   "5932918"   "5940258"   "5986307"   "5990520"   "6015992"   "6034397"   "6433979").PN. OR ("6747861"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 12:49
S10 3	480	(257/492-494).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:01
S10 2	1	257/492-494	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 13:01
S10 6	2	("6433979").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 14:09



## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S100	1	((p near3 substrate) and (third near3 well) and (fifth near4 diffusion) and isolation).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 13:00